

Sequence listing

<110> Widschwendter, Martin

<120> Prognostic and diagnostic markers for breast cell proliferative disorders

<130> 47675-183

<140> US 10/575,753

<141> 2004-10-14

<150> PCT/EP2004/011577

<151> 2004-10-14

<150> DE 10348407.8

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<211> 3501
<212> DNA
<213> Artificial Sequence

<220>
<223> chemically treated genomic DNA (Homo sapiens)

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 <211> 3501
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> chemically treated genomic DNA (Homo sapiens)

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<210> 8

<211> 2501

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

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<213> Artificial Sequence

<220>

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<220>

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<211> 2470

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

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<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

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12496480_1.TXT

12496480_1.TXT

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tgtgtgtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	3240
tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	3300
tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	tttaggtgtt	3360

12496480_1.TXT
ttgtggggttt ttgtggtttg ttatattgtgg ttttggtggg ttgggtttttt ttttttgtgg 3420
ttgtggtagt ttttagttga tggttttattt gtgttgttta gggtttttagt tttgtttaggg 3480
tagtgtttttt gttagttttt t 3501

<210> 18
<211> 2501
<212> DNA
<213> Artificial Sequence

<220>
<223> chemically treated genomic DNA (Homo sapiens)

<400> 18

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ttttttttt taaatattgt tagtgtttgt gtgttgttta atgtttttttt ttttttgttag 180
gggtttttat tttaggtttt gggtttttttt tagaaagtttt tttagttttttt tttagtgg 240
ggatagggtt ttgtttttttt gatattttt gttttttttt atatattgtt tataagtta 300
ggttgttattt ttatggaaag ttatgtttttt gattttgagt agtttgagga tttagttttttt 360
atttaggaga ttgttttagaa atgtttgtt aattatgtt gtttttttttataatgtta 420
agattttttt ggaatattttt ttaaaatgtt ttgtttttttt gatgtttttt tttagggaggt 480
aagttagtggg gggttttagat ttgtttttt gatgtttttt ttgtttttttt atgttagaaatg 540
gttagggatata ttatgtttgtt aattttttttt tattttttttt ggggtttttt tttaggg 600
gttattttttt gaatgtttttt aaggatagggtt gtgttgtt gttttttttt tagttaattt 660
aaattttttt aatgtttttt gatgtttttt gatgtttttt gttttttttt gttttttttt 720
gtgtttttttt aatgtttttt tttatataatgtt tttagttttt gttttttttt tagttaattt 780
aaatgtttttt ttggaaatgtt gttttttttt gatgtttttt gttttttttt atatgtttttt 840
ggatttttttt gtagttttttt gttttttttt tttttttttt tttttttttt gttttttttt 900
gatgtttttttt gttttttttt tttttttttt gttttttttt gttttttttt gttttttttt 960
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tgatgggtttt gttttttttt tttttttttt ggggtttttt gatgtttttt gttttttttt 1080
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1140
gtatgtttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1200
atttttttttt gggaaatgtt gttttttttt gttttttttt gttttttttt gttttttttt 1260
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1320
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tattttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1440
tgtaaaaaatggg ggggggtttttt gttttttttt gttttttttt gttttttttt gttttttttt 1500
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1560
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1620
gttataattt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1680
atagggtttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1740
ttggagatgtt gagaatttttt aagtgggtttt gttttttttt gttttttttt gttttttttt 1800
gtttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1860
aataaaaaat tttatataatgtt gttttttttt gttttttttt gttttttttt gttttttttt 1920
atgtttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 1980
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2040
taatgtttttt aatgtttttt gttttttttt gttttttttt gttttttttt gttttttttt 2100
taaagtttttt aatgtttttt gttttttttt gttttttttt gttttttttt gttttttttt 2160
atttttttttt tttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2220
ttttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2280
atttttttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2340
gagggtttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2400
gggggtttttt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2460
tttatataatgtt gttttttttt gttttttttt gttttttttt gttttttttt gttttttttt 2501

<210> 19
<211> 2501
<212> DNA
<213> Artificial Sequence

<220>

12496480_1.TXT
<223> chemically treated genomic DNA (Homo sapiens)

<400> 19

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gaagttagttt	ttatgttga	atgatttta	gatatagttt	ttgaaaaggaa	aagttttttt	120
agtgtgtta	aaaatgtttt	agaatgtaat	tttggattt	tttgatgaa	aattatttaa	180
gagttgttaa	aaaagattta	aaatattaag	tgtgtaaaaa	tatattttt	ataataaaaag	240
taaagtgtaa	ataaaatgtt	ttttttaaaaa	tatttagaaag	gtatgattt	attnaaatat	300
atgttatgt	agagataatt	agatagttat	gggtataaaa	tatttggta	tttattaata	360
tttagaaatgt	tttttggaaag	gtatgttaaag	aagtttttt	attatataag	atatgaaaatg	420
atataggat	taattgtatag	aattttgtat	tgtatgtt	aatataataat	ttaaataataat	480
tatgttagt	gggttttttt	gggtataagg	attatgtq	gagaattaaa	gggtatataat	540
gttaaggatt	tttgtatgtt	aggttataga	gggtttttat	tgttgagaaa	ttaatgtaaa	600
attttattgt	atagtatata	tgttggtatg	aatggttt	tttaatttt	tgtattttaa	660
aaaatgggtt	tatttttatata	aaataatttt	tattttgtt	ttttttttat	ataggtatatt	720
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tgtgttttt	780
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tgtgttttt	840
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	900
taatggggaa	gggtttttat	tagatgttt	ttttaaagaa	gggtttttta	tgaattttaa	960
atttttatgt	aggggaaaat	aaatattgaa	tgttgaatg	atttttttag	agttgtatatt	1020
tttgcgtttt	agggggggtaa	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1080
gattgttaga	aggatthaaga	ggtttaatgg	tttttttttt	tttttttttt	tttttttttt	1140
aagggttag	gagaatttttt	attttttttt	tttttttttt	tttttttttt	tttttttttt	1200
tttaggttgg	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1260
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1320
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1380
tttggaaaga	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1440
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1500
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1560
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1620
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1680
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1740
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1800
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1860
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1920
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	1980
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2040
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2100
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2160
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2220
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2280
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2340
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2400
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2460
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	2501

<210> 20

<211> 2470

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

<400> 20

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agggtatttt	tagtagttt	ttgttttttt	gtttttttgg	tttttttttt	gggtgtgtaa	120
gggtataatt	tttgtgtttt	agtaaatttt	tgtgtttttt	tttttttttt	tgttattttt	180
tttttttttt	tttgtgtttt	ttattttgc	gtaaaatttt	tgttataatt	tatttgaat	240
gagaatttt	aagggtttata	ttattttaat	tttggatgt	tttttttttt	gttatatgtt	300
ttataatgt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	360

12496480_1.TXT

ttatTTTgt	ggatTTTTt	tttatTTTtg	agatTTTTt	tttggTTgta	ttatTTTTt	420
atTTTTgt	tattgattag	aggaggGgt	ttatTTatgg	gtGAATTtta	tatTTTatTg	480
aaggAGGtt	gttatATgt	tatTTTTata	ataatTTta	tatTTTatTA	gtatTTTTat	540
tttagtata	tttttttta	ttatTTTTa	tatTTTatTA	gtAAgttAtg	ttGAAGTgA	600
ttGAAGTgt	ttatTTTTaa	atTGTgAAat	gaatTTAAAT	gaaAGGGtAA	agatTTAAAT	660
atgatTTgt	ttGAATTTAA	tatTTAAAGt	ttatTTTTTT	ttatTTAAAG	atTTTTgTAG	720
gtgatTTTgt	tttGTTAGgt	ttttTTTTt	tttagatgt	tattggatTT	tattAGTTt	780
atTGTAGgt	tttagTTGtg	tagTTTAAAT	tagTTTAAG	atGATTTTT	tgatTTTTt	840
tggAGAGgt	ttttAAATTgt	tgAAATTtta	tattTTGtg	atTTAGTTg	gttATAATTt	900
gttGTTTTt	ttttGTTgAA	tgGATTTtAT	attatAGAGg	tattTTTTtA	atGTTAAGAT	960
gttAAAGTgt	ttttTAAGTg	taaTTTTAT	aatTTTTtT	agtTTAAAG	tattaAGAT	1020
aggtAGGtt	ttttATTTTGt	taaaATGTT	tgatTTAAAT	ttttAAAGAGA	atTTGGATTt	1080
tttGAATTt	tttGTTGTTAA	tttAATATAA	ttttTTGta	tttATAATt	ttttTTAAAG	1140
ttttTTTTt	ttGTTTATTt	ttGTTTATTt	tttGTTTTt	tttTTTTt	ttAGTTATAA	1200
taattGTTAG	attTTGTTT	attTTTTTT	gatAGTTTt	attTTTAAGG	ttatTTTTt	1260
tttttaggtA	ttttTTTTGt	tttGTTGAG	tagTTGAT	tttAAGGTTA	tatTTGTTAT	1320
atGATAGgt	attatTTGta	attTTGGA	taaTTGtG	tgAAATTtAT	gtTAGTAATT	1380
tttATTTAT	attTTTTTAT	taaaaAGGT	taaTTGTT	atttAATGt	ttttTTTTATG	1440
tttATTTGT	taaATTGATTG	ttttTTAATG	atTTTTAGA	ttttAGAAAT	tatTTTTATA	1500
tggaggATgt	gtAAAGATTAG	ttttTTTTA	aataAAAAGT	gtGAATGGA	atATGTAATT	1560
tttATAATTt	attTTGTTT	taaATTTTG	tgatTTTAT	atTTAAATTt	gaaATAAATt	1620
atGATTTATA	atTTTTATA	atTTTTATA	taattTTAT	tttAAAGTT	tGTTTGTAAg	1680
aatGGTTAA	atTTTTTAA	aatTTTGA	aaattTTAT	tttGATAGAA	gtTTAATTtA	1740
tttGtgAGAA	gttAAATGtA	tttGATATA	attAAAGTT	ttttTTTTAT	tttAATTtTA	1800
tttATTTGtA	attAAAGATT	tatTTGTTA	ttttTTTAgA	tGTTGTTAT	tGAATAAT	1860
tGTTTGTAGA	ttaaaaaATT	gtatTTAT	atTTTTTT	tttaATGTT	taAGAGTTT	1920
gtttTTTTt	ttttTTTTtA	taaaaATAAG	tagTTTATA	attTTTTAG	atGTAATTt	1980
aaaATTTTTt	tttATTTAT	atTTTTAAAG	tgatTTAAGG	atTTGTTG	tTTTATATGA	2040
tttagTTGtA	aaGTAAGTTG	agTTTATG	tgatTTGAGA	ttaAAATTt	gataAGGTt	2100
agaAGAAAT	tttAATTtAT	tttAAATTt	ggAAATGAG	gtTTTATAA	tGAAGGTt	2160
aaGATGtGtA	ttttTTATG	tagTTTTT	attTTTTAT	agTTTTTT	tttGTAATT	2220
tGAGGTAAAG	tatTTTTAT	aaaAGTGT	ttaaATTAA	gtAAATAAT	gtAAATTTT	2280
tttGTTAAA	gttagTATT	atTTTTAA	ataAGATATA	tttGATTAT	tttagTGAATT	2340
atATAAAGAA	aataAGTGT	aaTTTTAA	gtttAGTTAG	ttttAGTT	ttttAAAGAT	2400
taaAGAGAAg	agATTAATTA	tagTTATT	gtATTGAGG	aaggTTTTT	gtTGTAGTT	2460
tagAAATTAG	tttATTTTAT	tttATTTTAT	tttATTTTAT	tttATTTTAT	tttATTTTAT	2470

<210> 21

<211> 2470

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

<400> 21

ttAGTTTTA	tGAATTATAT	AGAAAATTT	GTTTGTGAT	AGTGTGTTA	TATTTGGTT	60
ttttTTTTtA	atTTTTAAA	gaatTAAGAA	ttaATTAGT	atTTGAGTT	tATTTTTAT	120
ttttTTTTtA	tttTTTTATG	atGAATTTA	tatTTTTAT	tttAAAATAT	AAATGTTAAT	180
tttGTAAGA	aaAGGTtAT	ttatTTTTAT	tttAATTTAA	atATTTTT	AAAGTTAGt	240
ttttATTTAT	atGTTTAAGG	AGGAATAT	GAATAAAAAT	GGATAAAAT	TAATTTAAAG	300
tttATTTTt	gtATTTTTA	tATTAGAT	tttATTTTT	AGTTTTGTA	GTATTTGGA	360
tttATTTTt	gtATTTTTA	tATTAGAT	tttATTTTT	AGTTTTGTA	GTATTTGGA	420
ttataATTGtA	tttATTTGtA	tttATTTGtA	tttATTTGTT	taATTGTT	tttATTTGTT	480
taataATTGtA	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	540
aaAGGTTtAT	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	600
taaAGGAAAT	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	660
tttATTTAT	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	720
ttaAGATAAA	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	780
tttATTTAT	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	840
tagTAATTT	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	900
ggATTAATGtA	tttATTTGtA	tttATTTGtA	tttATTTGTT	tttATTTGTT	tttATTTGTT	960

12496480_1.TXT

atattttta	tggtaaata	gttttgaagt	ttaagatgt	ttaaaaagg	taattatta	1020
ataaaatgga	tatgaaggag	agatataat	gaagatata	agttttttt	ataggaagat	1080
ggtaaataag	aattttataat	aaaatgta	atataat	ttaaaagg	tgattataat	1140
atgttatgtt	atgttatgt	tgtttttgg	atttgttg	ttaaatttg	ggtttaaaaga	1200
tatTTTaaaga	gaatgtatga	tttaggagt	agagatgt	aaagaaaaat	gaatgtatgt	1260
tttgttagtta	ttatgtatgg	gaaagaagag	gagagataaa	gaagatataa	aagatagtta	1320
ggttaagggaa	tttttaggaa	aatttataaa	ttttaggagt	tatattaaga	ttattaatgt	1380
aagatTTTaaag	aattttat	ttttttttt	gtttaggtt	aattttttt	gaataaataa	1440
aattttgttt	atTTTaaata	ttaatagt	aaaatgtt	aagtatgt	tatTTTaaata	1500
atatttaaat	atTTTatgt	taaaaaatgt	tttttgaat	atgaaatTTT	ttatataaaa	1560
taaggtagat	atgttgtaat	atgtgtat	ttatgtataa	ttttaggttt	gtttttggaa	1620
gatttttttt	aaggaaaaat	ggggatttat	tttagattt	gttagtttt	taatgttttg	1680
aattttatgt	aattttgtt	atTTTatgt	tttgttgg	aggaaaggaa	gttttttagg	1740
tagggattat	ttttaggaaat	ttttttttt	aaaaatgtt	gtttttgtt	ttatTTTttt	1800
gtttttttt	ttttaggaaat	ttttttttt	atTTTatgt	ttttagattt	ttgaaatgt	1860
atattttataa	ttttttttt	ttatTTTaaat	atgtatattt	tttaggattaa	taaaaaaaagg	1920
ttatTTTaaataa	ttttttttt	ttatTTTaaata	atgtatattt	tttaggattaa	tatTTTaaata	1980
atTTTaaat	ttttttttt	ttatTTTaaata	ttatTTTaaata	tttaggatttt	ttttagttat	2040
ggttaagggt	gaaagaatgt	ttttttttt	ttatTTTaaata	tttaggatttt	ttttagttat	2100
ataggagtga	ttttagttat	ttttttttt	ttttagttt	ttttagttt	ttttagttt	2160
ttttagttat	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2220
aaaattttttt	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2280
taagaaaaaa	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2340
ttttagttat	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2400
ttttagttat	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2460
aaatTTTttt	ttttagttat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	2470

<210> 22

<211> 7001

<212> DNA

<213> Artificial Sequence

<220>

<223> chemically treated genomic DNA (Homo sapiens)

<400> 22

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gtgtgaaagg	taaggaaaa	ttttagttt	aagaagatag	tgagatttt	attttgggtt	120
ttttaggat	agtgtatgtt	ttttagatata	tggggaaatgt	gagggata	ttatgtttt	180
gaaatgtt	ttatTTTaaat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	240
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	300
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	360
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	420
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	480
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	540
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	600
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	660
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	720
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	780
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	840
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	900
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	960
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1020
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1080
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1140
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1200
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1260
ttttaggat	ttttagttt	ttttagttt	ttttagttt	ttttagttt	ttttagttt	1320
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